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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/708,536	03/10/2004	Yan Zhou	2535	
757 7590 12/31/2007 BRINKS HOFER GILSON & LIONE			EXAMINER	
P.O. BOX 1039	95		CHIEM, DINH D	
CHICAGO, IL 60610			ART UNIT	PAPER NUMBER
		•	. 2883	
		•		
		•	MAIL DATE	DELIVERY MODE
			12/31/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Application No.	Applicant(s)			
		10/708,536	ZHOU ET AL.			
		Examiner	Art Unit			
		Erin D. Chiem	2883			
Period fo	The MAILING DATE of this communication app	ears on the cover sheet with the c	correspondence address			
		/ IC CET TO EVOIDE AMONTUL	(C) OD THIDTY (CO) DAYO			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be ting vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	the mailing date of this communication.  D (35 U.S.C. § 133).			
Status						
1)[🔀]	Responsive to communication(s) filed on 15 Oc	ctoher 2007				
	This action is <b>FINAL</b> . 2b) This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	ion of Claims	•				
4) 🖂	Claim(s) <u>47-59 and 64-75</u> is/are pending in the	application.				
4a) Of the above claim(s) is/are withdrawn from consideration.						
-	Claim(s) is/are allowed.					
·	6)⊠ Claim(s) <u>47-59 and 64-75</u> is/are rejected.					
7)	7) Claim(s) is/are objected to.					
8)	Claim(s) are subject to restriction and/or	r election requirement.				
Applicati	ion Papers					
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority ι	under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
obo the attached actained control a list of the certified copies flot received.						
•	•	•	•			
Attachmen			·			
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
2) U Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date 3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application						
Paper No(s)/Mail Date 6)  Other:						

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 47-59, and 64-75 are rejected under 35 U.S.C. 102(b) as being anticipated by Zhou et al. (US 2003/0044118 A1). Zhou discloses an apparatus comprising a substrate and a multilayer vertically graded refractive index (vGRIN) film and a curved input sidewall and a curved output sidewall (Abstract) (Para [0138]) wherein the apparatus is used to control a vertical focusing and horizontal focusing of electromagnetic beam (Para [0315]). The substrate comprises silicon [0140]. The focusing means is controlled by varying the thickness of the vGRIN structure [0331]. The surface of the curved sidewall is in a cylindrical shape. The spot size is in an elliptical shape [0021]. With respect the various curvature of the lens, Zhou discloses the curvature maybe of various shape [0198].

## Response to Arguments

Applicant's arguments filed October 15, 2007 have been fully considered but they are not persuasive. Applicant's only argument pertains to Zhou does not disclose the curved input and output sidewalls. Examiner respectfully points out paragraph [0198] discloses the shape of the waveguide maybe a lens having curves and shapes as long as they achieve the same function. And with all due respect, the cited prior art of record is applicant's own Pregrant Publication which teaches the same inventive concept.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erin D. Chiem whose telephone number is (571) 272-3102. The

examiner can normally be reached on Monday - Thursday 9AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank G. Font can be reached on (571) 272-2415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> Erin D Chiem Examiner Art Unit 2883